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U.S. PTO
PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Tongbi Jiang; Syed S. Ahmad

Serial No.: To be assigned

Filed: April 21, 1999

For: GRAVITATIONALLY-ASSISTED
CONTROL OF SPREAD OF VISCOUS
MATERIAL APPLIED TO
SEMICONDUCTOR ASSEMBLY
COMPONENTS

Examiner: To be assigned

Group Art Unit: To be assigned

Attorney Docket No.: 2911.1US
(96-436.1)

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

The present application is a divisional of application serial no. 08/709,182 filed on September 6, 1996, which is relied upon for its earlier filing date under 35 U.S.C. § 120.

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

Pursuant to 37 C.F.R. § 1.98(d), a copy of any patent, publication or other information listed in the Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. § 120.

Accordingly, no copy of information marked with a pound sign (#) is enclosed because it was previously cited or submitted to the patent office in a prior application which is properly identified above, and is relied upon for an earlier filing date. The references are as follows:

DOCUMENTS

U.S. Patent Documents

| <u>U.S. Patent No.</u> | <u>Inventor</u> | <u>Issue Date</u> |
|------------------------|------------------|-------------------|
| #5,663,106 | Karavakis et al. | 09/02/97 |
| #5,286,679 | Farnworth et al. | 02/15/94 |
| #5,008,213 | Kolesar, Jr. | 04/16/91 |
| #4,999,319 | Hamano et al. | 03/12/91 |
| #4,769,344 | Sakai et al. | 09/06/88 |
| #4,697,203 | Sakai et al. | 09/29/87 |
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| #4,247,864 | Lockard | 01/27/81 |
| #4,143,456 | Inoue | 03/13/79 |
| #3,760,237 | Jaffe | 09/18/73 |
| #3,721,747 | Renskers | 03/20/73 |
| #3,596,136 | Fischer | 07/27/71 |

Other Documents

#Epoxy Technology, Brochure, "Why soldering flip chips is not so hot", 1 page.

#Gilleo, "The Printed Package Revolution", Electronic Packaging & Production, pp. 81-83, February 1996.

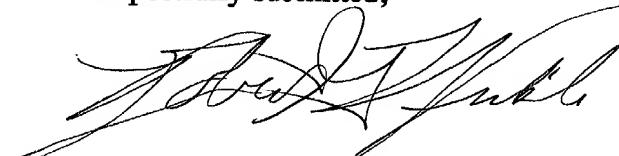
#Liang, "Effect of Surface Energies on Screen Printing Resolution", IEEE Transactions on Components/Packaging, and Manufacturing Technology, Part B, Vol. 19, No. 2, pp. 423-425, May 1996.

#Okuno, "Unique Epoxy Resin and Printing Encapsulation Systems(PES) for Advanced Multi Chip Module, TAB, COB, and Flip-Chip", Int. Electronics Packaging Soc., pp. 506-518, 1993.

#Okuno et al., "Printing Encapsulation Sysems (PES) of Advanced Multichip Module and COB Device", IEEE Transactions On Components, Packaging, and Manufacturing Technology - Part B, Vol. 17, No. 1, pp. 119-123, February 1994.

Applicants respectfully request that the Examiner consider and make of record the documents cited herein, and that a copy of the enclosed PTO-1449 listing the above cited documents be appropriately initialed by the Examiner and returned to Applicants' attorney.

Respectfully submitted,



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Date: April 21, 1999
Enclosures: Form PTO-1449